

SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION

Company's Name and Address:

Dallas Chemical Technologies
10120 Hirsch Road
Houston, TX 77016

Emergency Telephone: (713) 631-2009

Information Telephone: (281) 419-9737

Date MSDS prepared: 22 Aug 2001

Safety Data Review: 22 Aug 2001

SUBSTANCE : FDR - 500

TRADE NAMES/SYNONYMS: Spent sulfite liquor; spent pulping liquor

CHEMICAL FAMILY: Wood Chemicals

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>%</u>	<u>CAS RN</u>	<u>Exposure Limits</u>
Calcium lignosulfonate	15-20	8061-52-7	Unknown
Ammonium lignosulfonate/hemicellulose	15-20	8061-53-8	Unknown
Proprietary Inorganic Materials	25-35	not regulated	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING :

Black or brown liquid
Causes skin and eye irritation

SYMPTOMS FROM ROUTINE EXPOSURE:

No effects from routine exposure to lignosulfonates are known

SYMPTOMS FROM OVEREXPOSURE:

Prolonged contact may cause skin irritation to sensitive individuals

PRIMARY ROUTE OF ENTRY:

Skin contact, eye contact, ingestion

SENSITATION TO MATERIAL:

May cause allergic reaction in rare cases

Medical Conditions Aggravated by Exposure

None currently known.

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:

Remove contaminated clothing, jewelry and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).

EYE CONTACT:

Wash eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes).

INGESTION :

If swallowed do not induce vomiting. If victim is fully conscious dilute stomach contents with large amounts of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5: FIRE & EXPLOSION HAZARD DATA

F L P (TEST METHOD)

Not Applicable

AUTO IGNITION TEMPERATURE

Not Applicable

FLAMMABLE LIMITS

Not Applicable

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, water spray or regular foam, Alcohol-type of universal type foams applied by recommended techniques.

SPECIAL FIREFIGHTING PROCEDURES:

Use supplied breathing air and protective clothing

USUAL FIRE & EXPLOSION HAZARDS:

None

SECTION 6: ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE:

Dam spill, retrieve liquid where possible – flush with water to sewer in accordance with local, state and federal requirements.

WASTE DISPOSAL METHOD:

Flush to sewer in accordance with local, state and federal requirements.

SECTION 7: HANDLING AND STORAGE

Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin or clothing. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Containers of this material may be hazardous when empty because they retain product residues (solids); observe all warnings and precautions listed for the product. Do not permit contact with acidic materials.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limits: Not known. Not listed by ACGIH. Not listed as carcinogen by NTP, OSHA, and IARC.

VENTILATION:

No special requirements

EYE PROTECTION:

Employee must wear chemical splash goggles or a face shield.

EMERGENCY WASH FACILITIES:

Where there is any possibility that an employee's eyes and/or skin may be exposed to this substance, the employer should provide an eye wash fountain and quick-drench shower within the immediate work area for emergency use.

CLOTHING:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

GLOVES:

Employee must wear appropriate protective gloves, such as neoprene or butyl gloves or gauntlets, to prevent contact with this substance.

RESPIRATOR:

Full protection recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION : Black or dark brown liquid.

ODOR: Slight odor

PHYSICAL STATE: Liquid

MELTING POINT: N/A

BOILING POINT: Variable

WATER SOLUBILITY: 100% soluble in water. Other solvents not available.

FLASH POINT: Not determined

pH OF AQUEOUS SOLUTION: 5.0 –8.0

VAPOR PRESSURE: Not available

SPECIFIC GRAVITY: 1.1 – 1.4

SECTION 10: STABILITY AND REACTIVITY

Stable under ordinary conditions of use and storage. Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition liquor may emit fume of sulfur dioxide, hydrogen sulfide, and carbon monoxide.

CONDITIONS TO AVOID: Strong acids, oxidants.

INCOMPATIBILITIES: Strong acids, oxidizers. Contact with strong acids can lead to release of hydrogen sulfide gas. Incompatible with brass, copper and aluminum.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA: No data available.

CARCINOGEN STATUS: None of this product's components are listed by IARC, OSHA, or NTP.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING(0-4): No Data Available

ACUTE AQUATIC TOXICITY: No Data Available

DEGRADABILITY: No Data Available

LOG BIOCONCENTRATION FACTOR (BCF): No Data Available

LOG OCTANOL/WATER PARTITION COEFFICIENT: No Data Available

SECTION 13: TRANSPORT INFORMATION

DOT: Non-regulated

DOT Hazard Class/I.D. No.: N/A

SECTION 14: REGULATORY INFORMATION

Chemical Inventory Status

Not listed